



1. Product description

FACEAL OLEO HD® is a 'heavy duty' version of FACEAL OLEO®, specially developed for surfaces with pH level below 9, which are subject to abrasion such as floors and stairs. FACEAL OLEO HD® provides a preventive impregnation against the penetration of oil, grease, water and urine, and facilitates the removal of chewing gum, moss, algae, lichens and ice. Additionally, FACEAL OLEO HD is a RAL-GZ 841/2 certified graffiti protection system. Graffiti is easily removed with AR graffiti removers without damaging the protection.

2. Field of application

FACEAL OLEO HD® may be applied to porous substrates used in construction, indoors and outdoors on roofs, facades and floors. Examples are concrete, natural and artificial stones, clinker, brick, tile, terracotta, renders, mortar, plaster and asphalt. Especially suited for mineral substrates with small pores. Painted surfaces must be absorbent. For alkaline substrates with pH of 9 or above such as (example) freshly poured concrete FACEAL OLEO NC® should be used.

FACEAL OLEO HD® provides a preventive impregnation for construction substrates against all kinds of contamination, both water and oil-based. It prevents freeze/thaw damage, protects against UV radiation and facilitates the removal of chewing-gum, moss, algae and lichens. On vertical surfaces, much contamination (other than graffiti) is removed by rainfall. The original appearance of the protected surface is preserved on a long term basis.

PLEASE NOTE: As is the case with all impregnations FACEAL OLEO HD cannot protect calcareous subsoil such as concrete and concrete based cast

stones, Terrazzo, etc. against etching caused by acid based liquids. We recommend for these liquids the surfaces should be cleaned to remove spills of such liquids immediately in order to reduce the risk of etching. This concerns only calcareous surfaces.

3. Product properties

FACEAL OLEO HD® is based on the latest nanotechnology using a functionally-substituted fluorinated acrylic copolymer in an aqueous phase. It is solvent-free, non-toxic and non-flammable. Thanks to the organized structure of its active molecules on the surface of the pores the surface tension is substantially reduced. Oils/fat and water based contaminations and dirt cannot adhere properly and are thus easy to remove. FACEAL OLEO HD® enters into a permanent compound with the substrate. The appearance and structure of the surface and its ability to breathe are preserved (Vapor Permeability according to DIN 52615 mod.: no measurable change).

Material characteristics

- Specific weight: approx. 1.01 g/cm³
- pH-value 5
- VOC content 20 g/kg

Color shade

Clear

4. Application instructions

FACEAL OLEO HD® may be applied by airless spray, low pressure spray unit or, for small areas, by brushing to saturation. FACEAL OLEO HD® dries naturally in about 24 hours and reaches full effectiveness after 7 days. Once dry, FACEAL OLEO HD® becomes virtually impossible to remove. Areas to be left untreated must be covered carefully and the tools and equipment



cleaned, before the product dries, by rinsing well with water. Surplus product on the surface must be fully removed in order to obtain optimum performance. This is of particular importance for application on horizontal surfaces. FACEAL OLEO HD® cannot be applied in rain or frost.

Application conditions

Air and substrate temperature: > 5°C up to max. 30°C (41 – 86°F).

Apply only to dry surfaces and in dry weather. Do not apply under direct sun or on sun-heated substrates or in strong wind. Surfaces have to be protected after application from rain, wind and direct sun.

Drying times

For individual coating a drying time of about 24 hours is required.

Consumption

The values given are for guidance only. Tests should be conducted on the actual surface to be treated.

Substrate	Liters/sq.ft., (liters/m ²)
Limestone	≤ 0.1 (up to 1.00)
Tufa	≤ 0.08 (up to 0.80)
Lime cast (P1 & P2)	≤ 0.04 (up to 0.40)
Cement facing (P3)	≤ 0.03 (up to 0.30)
Cast concrete	0.02 - 0.03 (0.20 - 0.30)
Concrete roof tile	0.02 - 0.03 (0.17 - 0.25)
Terracotta	0.02 - 0.03 (0.15 - 0.25)
Clay roofing tile	≤ 0.02 (up to 0.15)
Artificial stone, natural sandstone	0.01 - 0.03 (0.13 - 0.30)
Polished natural stone e.g. marble	0.01 - 0.02 (0.10 - 0.20)
Granite	0.005 - 0.02 (0.05 - 0.15)

The consumption values given are guide values, they depend on the application method and substrate condition as well as other factors. Exact values can only be determined by a trial application on site.

Cleaning of tools

Clean with water immediately after use.

5. Packaging

25 l container (5.28 gal)

Weight 60 lbs. (27.3kg)

6. Storage

Store product at temperatures above 41°F (5°C) and below 104°F (40°C). The shelf life of unopened containers is 2 years. Use opened containers as soon as possible. Avoid pouring unused product back into the storage container. Always seal opened containers tightly. Protect from heat and direct sunlight. After a period in storage, some light flocculation of the product may become apparent. This is reversible by shaking or stirring the container and does not reduce effectiveness.

7. Hazardous substances ordinance class

n/a

Classification according to flammable liquids ordinance

n/a

8. Transport hazard class

n/a



9. Disposal

EC Waste Code No. 06 02 99.

Any residues must be emptied out of containers before recycling.

10. Safety instructions

Provide appropriate protection for surfaces which are not to be coated. Any splashes on surrounding surfaces must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Do not eat, drink or smoke during application. Keep out of reach of children.

Gisbau code: M-SK 01

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

